

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Mechanical Technician - Tool & Die

2020

TDI2S Curriculum Modification for 2020-21

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_stthomaselgin_mechtechtoolanddie_documentation

Degree Audit Report

Catalog: 2019/2020

Program: TDI1S

Department: STE - St Thomas/Elgin Campus

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Name: Mechanical Technician - Tool and Die

Grade Scheme: LG2

Major: TDI1 - Mech Technician-Tool & Die

Co-Op Indicator: Mandatory Co-op

Div: CED - Faculty of Regional & Continuing I

Academic Program Requirement

Total Credits: 78.50

GPA Requirement: 2.00

Minimum Grade: D

Residency Reqmt: 20.00

Residency Reqmt GPA: 2.00

Academic Requirement: TDI1S.19 Mechanical Technician - Tool & Die

Major: TDI1S

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Hrs	Credit	Total Hours	Total Credits	GE
COMMS-1004	Language & Comm Skills 1	45	3	45.00	3.00	
DEVL-1054	Skills for Career Success			30.00	2.00	
DRAF-1015/1056	Blueprint Reading			45.00	4.00	
MATH-1212	Mathematics for Trades 1			30.00	2.00	
MECH-1075	MACH-1032 Trade Theory 1			45.00	5.00	
	MACH-1033 Trade Application 1			150.00	5.00	
	CADD-1060 Computer Aided Design 1			45.00	3.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CADD-1060	Computer Aided Design 1	45.00	3.00	move to Level 1
MATH-3087	Mathematics for Trades 2	30.00	2.00	
MACH-1047	Trade Theory 2	75.00	5.00	
MECH-1012	Jig & Fixture Design	30.00	2.00	
MACH-1115/1177	Trade Applications 2	150.00	5.00	
MACH-1116	Computer Numerical Control Mill	45.00	2.50	more to Level 3
COOP-1020	Co-operative Education Employment Prep	6.00	1.00	
BUSI-1103	Introduction to Small Business Concepts	45.00	3.00	**
MECH-1117	Geometric Dimensioning and Tolerancing	30.00	2.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MACH-1116	Computer Numerical Control-MILL	45	2.5	
CADD-1066	Solid Modeling	45.00	3.00	
MACH-3023	Tool & Die Theory 1	75.00	5.00	
MATH-3019	Technical Calculations	30.00	2.00	move to Level 4
MACH-1117	Computer Numerical Control Lathe	30.00	2.50	more to Level 4
MACH-3042	Trade Applications 3	150.00	5.00	5.5

Degree Audit Report

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:


		Hours Cred	Total Hours	Total Credits	GE
MATH-2019	Technical Calculations	3000 2			
MACH-3025	Tool & Die Theory 2		30.00	2.00	
MACH-3026-3105	Trade Applications 4		180.00	5.50	
COMM-1094	Communications		45.00	3.00	Remove
MANF-1007	Computer Aided Manufacturing		45.00	2.50	
MACH-1117	Computer Numerical Control- Lathe		3000 2.50		

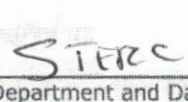
Subrequirement: Gen Ed - Electives

Take 6 General Education Credits - Normally taken in Levels 3 and 4

Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program


 Approved By Chair/Manager:

 06/11/20
 Department and Date:

 Approved by Dean:

 Date:

 General Education Approved By(as appropriate):

 Date:



June 15, 2020

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

ST. THOMAS/ELGIN REGIONAL CAMPUS

APPENDIX A

DEGREE AUDIT CHANGES FOR

TDI2S

TOOL AND DIE

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
				new course	COMM-1004	Language and Communications Skills 1	45	3
				Transfer course from Level 2 to 1	CADD-1060	Computer Aided Design 1	45	3
DRAF-1015	Blueprint Reading	60	4	Replace with new course	DRAF-1056	Blueprint Reading	45	3
MACH-1032	Trade Theory 1	75	5	Replace with new course	MACH-1075	Conventional Machining Theory	45	3
MACH-1032	Trade Applications 1	168	5.5	Change Course Title	MACH-1130	Conventional Machine Shop 1	150	5
DEVL-1054	Skills for Career Success	30	2		DEVL-1054	Skills for Career Success	30	2
MATH-1212	Mathematics for Trades 1	30	2		MATH-1212	Mathematics for Trades 1	30	2
TOTAL		363	18.5	TOTAL			390	21
Level 2								
CADD-1060	Computer Aided Design 1	45	3	Move to Level 1				
				Add new course	MECH-1117	Geometric Dimensioning and Tolerancing	30	2
MATH-3087	Mathematics for Trades 2	30	2		MATH-3087	Mathematics for Trades 2	30	2
MACH-1047	Trade Theory 2	75	5		MACH-1047	Trade Theory 2	75	5
MECH-1012	Jig and Fixture Design	30	2		MECH-1012	Jig and Fixture Design	30	2
MACH-1115	Trade Applications 2	150	5		MACH-1115	Trade Applications 2	150	5
MACH-1116	Computer Numerical Control - MILL	45	2.5	move to Level 3				
COOP-1020	Cooperative Education Employent Preparation	6	1		COOP-1020	Cooperative Education Employent Preparation	6	1
BUSI-1103	Introduction to Small Business Concepts	45	3		BUSI-1103	Introduction to Small Business Concepts	45	3
TOTAL		426	23.5	TOTAL			366	20

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Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 3								
CADD-1066	Solid Modelling	45	3		CADD-1066	Solid Modelling	45	3
MACH-3023	Tool and Die Theory	75	5		MACH-3023	Tool and Die Theory	75	5
MATH-3019	Technical Calculations	30	2	Move to level 4				
MACH-1117	Computer Numerical Control - Lathe	30	2.5	Move to level 4				
					MACH-1116	Computer Numerical Control - MILL	45	2.5
MACH-3042	Trade Applications 2	150	5		MACH-3042	Trade Applications 2	150	5
GEN ED		45	3		GEN ED		45	3
TOTAL		375	20.5		TOTAL		360	18.5
Level 4								
MACH-3025	Tool and Die Theory 2	30	2		MACH-3025	Tool and Die Theory 2	30	2
MACH-3026	Trade Applications 4	168	5.5		MACH-3026	Trade Applications 4	150	5.5
					MACH-1117	Computer Numerical Control - Lathe	30	2.5
					MATH-3019	Technical Calculations	30	2
COMM-1094	Communications	45	3	remove				
MANF-1007	Computer Aided Manufacturing	45	2.5		MANF-1007	Computer Aided Manufacturing	45	2.5
GEN ED		45	3				45	3
TOTAL		333	16	TOTAL			330	17.5

PROGRAM TOTAL 1497 78.5

PROGRAM TOTAL 1446 77